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PTO/SB/05 (4/98)
Approved for use through 09/30/2000. OMB 0651-0032
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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UTILITY PATENT APPLICATION TRANSMITTAL <small>(Only for new nonprovisional applications under 37 C.F.R. § 1.53(b))</small>	Attorney Docket No. WEATH 1371001
	First Inventor or Application Identifier William Frank Turner
	Title Spherical Fluid Machine with Control Mechanism
	Express Mail Label No. EL 225850321 US

APPLICATION ELEMENTS <small>See MPEP chapter 600 concerning utility patent application contents.</small>	ADDRESS TO: Assistant Commissioner for Patents Box Patent Application Washington, DC 20231
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<p>1. <input checked="" type="checkbox"/> * Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing)</p> <p>2. <input checked="" type="checkbox"/> Specification [Total Pages 55] (preferred arrangement set forth below)</p> <ul style="list-style-type: none">- Descriptive title of the Invention- Cross References to Related Applications- Statement Regarding Fed sponsored R & D- Reference to Microfiche Appendix- Background of the Invention- Brief Summary of the Invention- Brief Description of the Drawings (if filed)- Detailed Description- Claim(s)- Abstract of the Disclosure <p>3. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) [Total Sheets 12]</p> <p>4. Oath or Declaration [Total Pages 2]</p> <p>a. <input type="checkbox"/> Newly executed (original or copy)</p> <p>b. <input type="checkbox"/> Copy from a prior application (37 C.F.R. § 1.63(d)) (for continuation/divisional with Box 16 completed)</p> <p>i. <input type="checkbox"/> <u>DELETION OF INVENTOR(S)</u> Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b).</p> <p>* NOTE FOR ITEMS 1 & 13: IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EXCEPT IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28).</p>	<p>5. <input type="checkbox"/> Microfiche Computer Program (Appendix)</p> <p>6. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)</p> <p>a. <input type="checkbox"/> Computer Readable Copy</p> <p>b. <input type="checkbox"/> Paper Copy (identical to computer copy)</p> <p>c. <input type="checkbox"/> Statement verifying identity of above copies</p> <p>ACCOMPANYING APPLICATION PARTS</p> <p>7. <input type="checkbox"/> Assignment Papers (cover sheet & document(s))</p> <p>8. <input type="checkbox"/> 37 C.F.R. § 3.73(b) Statement <input type="checkbox"/> Power of Attorney (when there is an assignee)</p> <p>9. <input type="checkbox"/> English Translation Document (if applicable)</p> <p>10. <input checked="" type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations</p> <p>11. <input checked="" type="checkbox"/> Preliminary Amendment</p> <p>12. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) (Should be specifically itemized)</p> <p>13. <input type="checkbox"/> * Small Entity Statement(s) <input checked="" type="checkbox"/> Statement filed in prior application, Status still proper and desired (PTO/SB/09-12)</p> <p>14. <input type="checkbox"/> Certified Copy of Priority Document(s) (if foreign priority is claimed)</p> <p>15. <input checked="" type="checkbox"/> Other: Check in the amount of \$355.00</p>
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16. If a **CONTINUING APPLICATION**, check appropriate box, and supply the requisite information below and in a preliminary amendment:

☒ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No: **09 376.032**

Prior application information: Examiner **J. Vrablik** Group / Art Unit: **3748**

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

17. CORRESPONDENCE ADDRESS

☐ Customer Number or Bar Code Label (Insert Customer No. or Attach bar code label here) or ☐ Correspondence address below

Name	Gregory W. Carr				
	CARR & STORM, L.L.P.				
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	670 Founders Square				
City	Dallas	State	Texas	Zip Code	75202
Country	United States of America	Telephone	(214) 760-3030	Fax	(214) 760-3003

Name (Print/Type)	Gregory W. Carr	Registration No. (Attorney/Agent)	31,093
Signature	<i>Gregory W. Carr</i>	Date	3/8/01

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

03/08/01

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FEE TRANSMITTAL for FY 2000

Patent fees are subject to annual revision.
Small Entity payments must be supported by a small entity statement,
otherwise large entity fees must be paid. See Forms PTO/SB/09-12.
See 37 C.F.R. §§ 1.27 and 1.28.

TOTAL AMOUNT OF PAYMENT (\$)**355.00**

Complete if Known

Application Number	N/A
Filing Date	HEREWITH
First Named Inventor	William Frank Turner
Examiner Name	J. Vrablik
Group / Art Unit	3748
Attorney Docket No.	WEATH 1371001

METHOD OF PAYMENT (check one)

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number **50-0605**

Deposit Account Name **CARR & STORM, L.L.P.**

- ☒ Charge Any Additional Fee Required Under 37 CFR §§ 1.16 and 1.17

2. ☒ Payment Enclosed:

☒ Check ☐ Money Order ☐ Other

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
101 690	201 345	Utility filing fee	355.00
106 310	206 155	Design filing fee	
107 480	207 240	Plant filing fee	
108 690	208 345	Reissue filing fee	
114 150	214 75	Provisional filing fee	

SUBTOTAL (1) (\$)**355.00**

2. EXTRA CLAIM FEES

Total Claims	Extra Claims	Fee from below	Fee Paid
20**		9.00	-0-
1	- 3**	40.00	-0-
Multiple Dependent		-0-	-0-

**or number previously paid, if greater; For Reissues, see below

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
103 18	203 9	Claims in excess of 20
102 78	202 39	Independent claims in excess of 3
104 260	204 130	Multiple dependent claim, if not paid
109 78	209 39	** Reissue independent claims over original patent
110 18	210 9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$)**355/00**

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
105 130	205 65	Surcharge - late filing fee or oath	
127 50	227 25	Surcharge - late provisional filing fee or cover sheet	
139 130	139 130	Non-English specification	
147 2,520	147 2,520	For filing a request for reexamination	
112 920*	112 920*	Requesting publication of SIR prior to Examiner action	
113 1,840*	113 1,840*	Requesting publication of SIR after Examiner action	
115 110	215 55	Extension for reply within first month	
116 380	216 190	Extension for reply within second month	
117 870	217 435	Extension for reply within third month	
118 1,360	218 680	Extension for reply within fourth month	
128 1,850	228 925	Extension for reply within fifth month	
119 300	219 150	Notice of Appeal	
120 300	220 150	Filing a brief in support of an appeal	
121 260	221 130	Request for oral hearing	
138 1,510	138 1,510	Petition to institute a public use proceeding	
140 110	240 55	Petition to revive - unavoidable	
141 1,210	241 605	Petition to revive - unintentional	
142 1,210	242 605	Utility issue fee (or reissue)	
143 430	243 215	Design issue fee	
144 580	244 290	Plant issue fee	
122 130	122 130	Petitions to the Commissioner	
123 50	123 50	Petitions related to provisional applications	
126 240	126 240	Submission of Information Disclosure Stmt	
581 40	581 40	Recording each patent assignment per property (times number of properties)	
146 690	246 345	Filing a submission after final rejection (37 CFR § 1.129(a))	
149 690	249 345	For each additional invention to be examined (37 CFR § 1.129(b))	

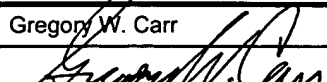
Other fee (specify) _____

Other fee (specify) _____

* Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)**-0-**

SUBMITTED BY

Name (Print/Type)	Gregory W. Carr	Registration No. (Attorney/Agent)	31,093	Telephone	(214)760-3030
Signature		Date	3/8/01		

WARNING:

Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

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ATTORNEY DOCKET NO.
WEATH P1371000

SERIAL NO. 09/376,032
Date of Notice of Allowance: 12/13/00

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Turner

Serial No.: 09/376,032

Group Art Unit: 3748

Filing Date: August 17, 1999

Examiner: John Vrablik

Title: **SPHERICAL FLUID MACHINE WITH FLOW CONTROL
MECHANISM**

*Approved
incorporated into
formal drawings
JH
6/28/01*

Assistant Commissioner for Patents
BOX ISSUE FEE
Washington, D.C. 20231

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited
with the United States Postal Service as First Class Mail in an
envelope addressed to:

Assistant Commissioner for Patents
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Washington, D.C. 20231

on

January 19, 2001

Karen Roper
Karen Roper

REQUEST TO APPROVE DRAWING CHANGES

Dear Sir:

Approval of the following proposed changes to the drawings in the above-identified application is respectfully requested. The proposed changes involve amending Figures 1, 2, 8A, 8B, 8C, 9A, 9C, 11A-D, 13A-C, 20 and 22. A photocopy of the original of each Figure is provided, which shows, in red, the proposed changes to the figure, as follows.

Figures 1 and 2: Change what is currently reference numeral 20 to reference numeral 21 and add reference numeral 20.

Figure 8A: Add reference numerals 52, 54, 60, 69, 70, 90, 92, and 212.

Figure 8B: Add reference numerals 33, 245, 246, and 247.

Figure 8C: Add reference numerals 10 and 247.

Figure 9A: Add reference numerals 12, 18, 20, and 33.

Figure 9C: Add reference numerals 12, 20, and 245, along with an axis line for 245.

Figure 11A: Add reference numerals 10, 12, and 20.

Figure 11B: Add reference numerals 12 and 20.

Figure 11C: Add reference numeral 20.

Figure 11D: Add reference numeral 12.

Figure 13A: Add reference numerals 10 and 20.

Figure 13B: Add reference numeral 20.

Figure 13C: Add reference numeral 20.

Figure 20: Add reference numeral 266.

Figure 22: Change reference numeral 270 to reference numeral 271.

Applicant proposes amendment of reference numerals in Figures 8A, 8B, 8C, 9A, 9C, 11A-D, 13A-C, and 20, to include all items referenced in the text of the corresponding portions of the specification. Further, Applicant proposes amendment of Figures 1 and 2 to include reference numerals 20 and 21. Still further, Applicant proposes amendment to Figure 22 and the associated specification text to refer to the secondary vane half by reference numeral 271, rather than reference numeral 270 (which instead references bolt holes).

Applicant respectfully requests that the Examiner approve these changes. Applicant submits with this paper a complete set of substitute formal drawings incorporating all drawing amendments proposed.

Approval of the drawing amendments proposed and substitution of the complete set of formal drawings enclosed are respectfully requested. Should the Examiner have any questions regarding this submission, Applicant invites the Examiner to contact its undersigned representative at the telephone number given.

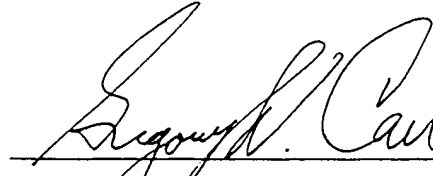
ATTORNEY DOCKET NO.
WEATH P1371000

SERIAL NO. 09/376,032
Date of Notice of Allowance: 12/13/00

Respectfully submitted,

Date:

01/19/01



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